

<b>FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE</b>				ATTY DOCKET NO 30-4397 DIV-2	SERIAL NO 10/631,320			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT CHARLES EDWARD BOWERS				
(Use several sheets if necessary)				FILING DATE July 31, 2003	GROUP 1733			
<b>U.S. PATENT DOCUMENTS</b>								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	5,119,512	6/9/92	DUNBAR, ET AL.	2	167		
	AB	5,141,780	8/25/92	HACKLER, ET AL.	427	389.9		
	AC	5,414,984	5/16/95	GROSHENS, ET AL.	57	234		
	AD	5,478,624	12/26/95	LOFQUIST	428	97		
	AE	5,567,256	10/22/96	QUEEN, ET AL.	156	72		
	AF	5,910,361	6/8/99	GUEVEL, ET AL.	428	364		
	AG	6,132,868	10/17/00	DEAN, ET AL.	428	364		
	AII	6,218,009	4/17/01	TSAI, ET AL.	428	373		
	AI							
	AJ							
	AK							
<b>FOREIGN PATENT DOCUMENTS</b>								
							TRANSLATION	
	AL	JP 52-18835	5/24/77	JAPAN			<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
	AM							
	AN							
	AO							
	AP							
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>								
	AQ							
	AR							
	AS							
EXAMINER				DATE CONSIDERED				

Examiner. Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.